

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
 (Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

U.S. PATENTS						<input type="button" value="Remove"/>
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
1	3074247			1963-01-22	POLK	
2	3347745			1967-10-17	RINFRET, et al.	
3	4018911			1977-04-19	LIONETTI, et al.	
4	4117881			1978-10-03	WILLIAMS, et al.	
5	4480682			1984-11-06	KANETA, et al.	
6	4620908			1986-11-04	VAN DUZER	
7	4857319			1989-08-15	CROWE, et al.	
8	4874690			1989-10-17	GOODRICH, JR., et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

9	5059518		1991-10-22	KORTRIGHT, et al.	
10	5071598		1991-12-10	BALDESCHWIELER, et al.	
11	5364756	A	1994-11-15	LIVESEY, et al.	
12	5418130	A	1995-05-23	PLATZ, et al.	
13	5587490	A	1996-12-24	GOODRICH, JR., et al.	
14	5629145	A	1997-05-13	MERYMAN	
15	5709992	A	1998-01-20	RUBINSTEIN	
16	5827741	A	1998-10-27	BEATTIE, et al.	
17	5843780	A	1998-12-01	THOMSON	
18	5863715	A	1999-01-26	RAJOTTE, et al.	
19	5869092	A	1999-02-09	HAYS, et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

20	5897987	A	1999-04-27	OLIVER, et al.	
21	5955257	A	1999-09-21	BURGER, et al.	
22	6007978	A	1999-12-28	GOODRICH, JR., et al.	
23	6073540	A	2000-06-13	GARRETT	
24	6146890	A	2000-11-14	DANON	
25	6319914	B1	2001-11-20	SIMPKINS, et al.	
26	6337205	B1	2002-01-08	WISNIEWSKI	
27	6453683	B1	2002-09-24	WISNIEWSKI, et al.	
28	6482585	B2	2002-11-19	DOTTORI	
29	6723497	B2	2004-04-20	WOLKERS, et al.	
30	6887704	B2	2005-05-03	PELED, et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code†	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
1	20020119946		A1	2002-08-29	GEN	
2	20020177116		A1	2002-11-28	WIGGINS, et al.	
3	20030059338		A1	2003-03-27	MANN, et al.	
4	20030068416		A1	2003-04-10	BURGESS, et al.	
5	20040006999		A1	2004-01-15	BROWN, et al.	
6	20040067157		A1	2004-04-08	MACPHEE, et al.	
7	20040129003		A1	2004-07-08	VOUTE, et al.	
8	20040191754		A1	2004-09-30	MEIR, et al.	
9	20040197310		A1	2004-10-07	SANBERG, et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

10	20050008623	A1	2005-01-13	BECHETOILLE, et al.	
11	20050020524	A1	2005-01-27	BOYD	
12	20050042754	A1	2005-02-24	MIYAZAKI, et al.	
13	20050059152	A1	2005-03-17	TANAVDE, et al.	
14	20050095228	A1	2005-05-05	FRASER, et al.	
15	20050118712	A1	2005-06-02	TSAI, et al.	
16	20050142118	A1	2005-06-30	WERNET	
17	20060035383	A1	2006-02-16	HO, et al.	
18	20060057555	A1	2006-03-16	DAMARI, et al.	
19	20070077237	A1	2007-04-05	DAMARI, et al.	
20	20070077535	A1	2007-04-05	WICHMANN, et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

21	20060120984	A1	2008-05-29	SHAHAM, et al.	
----	-------------	----	------------	----------------	--

If you wish to add additional U.S. Published Application citation information please click the Add button

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² <i>i</i>	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	100 56 181	DE	C1	2002-03-07	HIBERNA AG	Attached: Full English Machine Translation	<input checked="" type="checkbox"/>
	2	0 664 080	EP	A1	1995-07-26	KABUSHIKI KAISHA SEITAI KAGAKU KENKYUSHO		<input type="checkbox"/>
	3	0 668 013	EP	A2	1995-08-23	NIPPON TELEGRAPH AND TELEPHONE CORPORATION		<input type="checkbox"/>
	4	1 057 405	EP	A1	2000-12-06	MG Pharmacy Ltd.		<input type="checkbox"/>
	5	1 131 998	EP	A1	2001-09-12	DIRECTOR-GENERAL OF NATIONAL INSTITUTE OF		<input type="checkbox"/>
	6	1 471 140	EP	A1	2004-10-27	ASAHI TECHNO GLASS CORPORATION		<input type="checkbox"/>
	7	1 535 514	EP	A1	2005-06-01	MG Pharmacy Inc.; Komeda, Masashi		<input type="checkbox"/>
	8	1 627 565	EP	A1	2006-02-22	Consejo Superior de Investigaciones Cientificas...		<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

9	1 279 356	GB		1972-06-28	American Hospital Supply Corporation		<input type="checkbox"/>
10	2000-189155	JP	A	2000-07-11	LIVESTOCK IMPROVEMENT ASSOCIATION OF JAPAN INC	Separately Attached: English Abstract	<input checked="" type="checkbox"/>
11	1806692	SU	A1	1993-04-07	UK NII PLEMENNOMU DELU V ZHIVO	Separately Attached: No Abstract Available	<input type="checkbox"/>
12	91/16060	WO	A1	1991-10-31	CRYOPHARM CORPORATION		<input type="checkbox"/>
13	93/00806	WO	A1	1993-01-21	QUADRANT HOLDINGS CAMBRIDGE LIMITED		<input type="checkbox"/>
14	97/35472	WO	A1	1997-10-02	ADVANCED REPRODUCTION TECHNOLOGIES, INC.		<input type="checkbox"/>
15	97/39104	WO	A1	1997-10-23	OSIRIS THERAPEUTICS, INC.; CASE WESTERN RESERVE...		<input type="checkbox"/>
16	98/46072	WO	A1	1998-10-22	BIOSTORE NEW ZEALAND LIMITED		<input type="checkbox"/>
17	99/60849	WO	A1	1999-12-02	LIFECELL CORPORATION		<input type="checkbox"/>
18	00/29551	WO	A2	2000-05-25	DAVIES, Alison		<input type="checkbox"/>
19	01/23532	WO	A1	2001-04-05	TSAKAS, Spyros; LINARDOS, Nikolaos		<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

20	01/45503	WO	A2	2001-06-28	REGENTS OF THE UNIVERSITY OF MINNESOTA	<input type="checkbox"/>
21	01/50852	WO	A2	2001-07-19	INTEGRATED BIOSYSTEMS, INC.	<input type="checkbox"/>
22	01/87062	WO	A2	2001-11-22	THE GENERAL HOSPITAL CORPORATION; GAMETE	<input type="checkbox"/>
23	02/01952	WO	A1	2002-01-10	WADA, Hiromi; OHNAKA, Kenji	English Abstract listed on cover page of document <input checked="" type="checkbox"/>
24	02/076206	WO	A2	2002-10-03	UNIVERSITY OF OTTAWA	<input type="checkbox"/>
25	03/020874	WO	A2	2003-03-13	INTERFACE MULTIGRAD TECHNOLOGY LTD.	<input type="checkbox"/>
26	03/099040	WO	A1	2003-12-04	ISTITUTO BIOCHIMICO PAVESE PHARMA S.p.A	<input type="checkbox"/>
27	2004/009138	WO	A2	2004-01-29	CLEARANT, INC.	<input type="checkbox"/>
28	2004/055456	WO	A1	2004-07-01	INTEGRATED BIOSYSTEMS, INC.	<input type="checkbox"/>
29	2004/098285	WO	A2	2004-11-18	CELLARTIS AB	<input type="checkbox"/>
30	2005/032251	WO	A1	2005-04-14	I.M.T. INTERFACE MULTIGRAD TECHNOLOGY LTD.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

31	2005/056755	WO	A2	2005-06-23	CATHOLIC HEALTHCARE WEST		<input type="checkbox"/>
32	2005/072523	WO	A2	2005-08-11	I.M.T. INTERFACE MULTIGRAD TECHNOLOGY LTD.		<input type="checkbox"/>
33	2005/072790	WO	A1	2005-08-11	I.M.T. INTERFACE MULTIGRAD TECHNOLOGY LTD.		<input type="checkbox"/>
34	2006/016372	WO	A1	2006-02-16	I.M.T. INTERFACE MULTIGRAD TECHNOLOGY LTD.		<input type="checkbox"/>
35	2008/032314	WO	A2	2008-03-20	I.M.T. INTERFACE MULTIGRAD TECHNOLOGY LTD.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	<input type="checkbox"/>
	1	AHLENSTIEL, et al., "Bioflavonoids attenuate renal proximal tubular cell injury during cold preservation in Euro-Collins and University of Wisconsin solutions", <i>Kidney International</i> , vol. 63, pp. 554-563, (2003). XP-002337114	<input type="checkbox"/>
	2	CHEN, et al., "Beneficial Effect of Intracellular Trehalose on the Membrane Integrity of Dried Mammalian Cells", <i>Cryobiology</i> , vol. 43, pp. 168-181, (2001).	<input type="checkbox"/>
	3	CHOW, et al., "Phase I Pharmacokinetic Study of Tea Polyphenols following Single-dose Administration of Epigallocatechin Gallate and Polyphenon E", <i>Cancer Epidemiology, Biomarkers & Prevention</i> , vol. 10, pp. 53-58, (2001).	<input type="checkbox"/>
	4	CROWE, et al., "Stabilization of membranes in human platelets freeze-dried with trehalose", <i>Chemistry and Physics of Lipids</i> , vol. 122, pp. 41-52, (2003).	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

5	DE KORTE, et al., "Quality Determinants of Erythrocyte Destined for Transfusion", <i>Cellular and Molecular Biology</i> , vol. 50, no. 2, pp. 187-195, (2004).	<input type="checkbox"/>
6	FUJIKI, et al., "Mechanistic Findings of Green Tea as Cancer Preventive for Humans", <i>P.S.E.B.M.</i> , vol. 220, pp. 225-228, (1999).	<input type="checkbox"/>
7	GALATI, et al., "Prooxidant activity and cellular effects of the phenoxyl radicals of dietary flavonoids and other polyphenolics", <i>Toxicology</i> , vol. 177, pp. 91-104, (2002).	<input type="checkbox"/>
8	GOODRICH, et al., "Preservation of metabolic activity in lyophilized human erythrocytes", <i>Proc. Natl. Acad. Sci. USA</i> , vol. 89, pp. 967-971, (1992).	<input type="checkbox"/>
9	GRINBERG, et al., "Protective Effects of Tea Polyphenols against Oxidative Damage to Red Blood Cells", <i>Biochemical Pharmacology</i> , vol. 54, pp. 973-978, (1997).	<input type="checkbox"/>
10	HAN, et al., "Protection of osteoblastic cells from freeze/thaw cycle-induced oxidative stress by green tea polyphenol", <i>Biotechnology Letters</i> , vol. 27, pp. 655-660, (2005).	<input type="checkbox"/>
11	ISBRUCKER, et al., "Safety studies on epigallocatechin gallate (EGCG) preparations. Part 3: Teratogenicity and reproductive toxicity studies in rats", <i>Food Chemical Toxicology</i> , vol. 44, pp. 651-661, (2006).	<input type="checkbox"/>
12	JOMHA, et al., "Cryopreservation of intact human articular cartilage", <i>Journal of Orthopaedic Research</i> , vol. 20, pp. 1253-1255, (2002).	<input type="checkbox"/>
13	KUMAZAWA, et al., "Direct Evidence of Interaction of a Green Tea Polyphenol, Epigallocatechin Gallate, with Lipid Bilayers by Solid-state Nuclear Magnetic Resonance", <i>Biosci. Biotechnol. Biochem.</i> , vol. 68, no. 8, pp. 1743-1747, (2004).	<input type="checkbox"/>
14	KUSAKABE, et al., "Maintenance of genetic integrity in frozen and freeze-dried mouse spermatozoa", <i>Proc Natl Acad Sci U S A</i> , vol. 98, no. 24, pp. 13501-13506, (2001).	<input type="checkbox"/>
15	LAPRADE, et al., "Refrigerated Osteoarticular Allografts to Treat Articular Cartilage Defects of the Femoral Condyles. A Prospective Outcomes Study", <i>J Bone Joint Surg Am</i> , vol. 91, pp. 805-811, (2009).	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

16	LELKENS, et al., "Stability after thawing of RBCs frozen with the high- and low-glycerol method", <i>Transfusion</i> , vol. 43, pp. 157-164, (2003).	<input type="checkbox"/>
17	LÓPEZ, et al., "Determination of Viability of Human Cartilage Allografts by a Rapid and Quantitative Method Not Requiring Cartilage Digestion", <i>Cell Transplantation</i> , vol. 17, pp. 859-864, (2008).	<input type="checkbox"/>
18	MULDREW, "Cryopreservation of Articular Cartilage", Abstracts, 33rd Annual Meeting of the Society for Cryobiology, pp. 616-617, no. 6, Indianapolis, Indiana, August 21, 1996.	<input type="checkbox"/>
19	MULDREW, et al., "Cryobiology of Articular Cartilage: Ice Morphology and Recovery of Chondrocytes", <i>Cryobiology</i> , vol. 40, pp. 102-109, (2000).	<input type="checkbox"/>
20	MULDREW, et al., "Chondrocyte Sensitivity to Lethal Injury Correlates with Proximity to the Cartilage Surface", Abstracts, 32nd Annual Meeting of the Orthopaedic Research Society, pp. 589, no. 136, New Orleans, Louisiana, February 1986.	<input type="checkbox"/>
21	RZEPAKOVSKY, "The Effect of Long Term Storage at -80°C on the Cell Viability in Cartilage Tissue", Study Report, No. LAB-0161, 3 pages, (2005).	<input type="checkbox"/>
22	RZEPAKOVSKY, "The Effect of Long Term Storage in Liquid Nitrogen on the Cell Viability in Cartilage Tissue", Study Report, No. LAB-0161, 3 pages, (2006).	<input type="checkbox"/>
23	SATPATHY, et al., "Loading red blood cells with trehalose: a step towards biostabilization", <i>Cryobiology</i> , vol. 49, pp. 123-136, (2004).	<input type="checkbox"/>
24	Dimethyl sulfoxide, SIGMA Product Information, 2 pages, December 2003.	<input type="checkbox"/>
25	SUGANUMA, et al., "Green tea and cancer chemoprevention", <i>Mutation Research</i> , vol. 428, pp. 339-344, (1999).	<input type="checkbox"/>
26	TENG, et al., "Enhancing Osteochondral Allograft Viability", <i>Clin Orthop Relat Res</i> , vol. 466, pp. 1804-1809, (2008).	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10575558
Filing Date	2006-07-31
First Named Inventor	Udi DAMARI
Art Unit	1651
Examiner Name	Allison M. FORD
Attorney Docket Number	27367U

27	TOWNS, "Moisture content in proteins: its effects and measurement", Journal of Chromatography A, vol. 705, pp. 115-127, (1995). <input type="checkbox"/>
28	WILLIAMS, et al , "Analysis of Cartilage Tissue on a Cellular Level in Fresh Osteochondral Allograft Retrievals", Am J Sports Med, vol. 35, no. 12, pp. 2022-2032, (2007). <input type="checkbox"/>
29	WILLIAMS, et al., "Controversies in Knee Surgery". Controversies in Orthopaedic Surgery, pp. 462-463, Oxford University Press, 2004. <input type="checkbox"/>
30	XP-002337043: DERWENT, "Preservation solution for cells and tissues contains polyphenol as effective component", 1 page, (2002). <input type="checkbox"/>
31	XP-002337044: DERWENT, "Composition for preservative of animal cell, organs such as skin, blood vessel, cornea, kidney, heart, liver, lungs, placenta or pancreas, contains preset amount of epigallocatechin gallate as active ingredient", 1 page, (2003). <input type="checkbox"/>
32	ZOBERI, et al., "Radiosensitizing and anti-proliferative effects of resveratrol in two human cervical tumor cell lines", Cancer Letters, vol. 175, pp. 165-173, (2002). <input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	Date Considered
--------------------	-----------------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.